



Arizona Department of Education
Tom Horne, Superintendent of Public Instruction

Educational Services and
Resources Division

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CTE FACTS

Career and Technical Education Arizona - Vision

Ensure a dynamic workforce by fully developing every student's career and academic potential.

Career and Technical Education Arizona - Mission

Prepare Arizona students for workforce success and continuous learning.

Arizona CTE Students are Top Academic Performers

Nogales HS 2006 CTE Graduate

Daniel Rothstein - Ranked # 6 in his class, 4.60 GPA, scored a 30 composite on the ACT Test, currently enrolled at the U of A intending on studying either Medicine or Law. He was a Graphics Communications Concentrator and Completer.

Parker HS 2006 CTE Graduate

James Carnicorn - Ranked # 1 in his class, 4.0 GPA, scored 800 on AIMS Math and Reading, received an A+ in Calculus, currently attending NAU. He was a Business Mgmt & Admin Services Concentrator and Completer.

Ray HS 2007 CTE Graduate

Mallory Hall - Ranked # 1 in her class, 4.00 GPA, exceeded standards on all 3 AIMS Exams and has received full-ride scholarships to ASU, NAU and U of A. She is an Information Technology Concentrator and Completer.

Gila Bend HS 2006 CTE Graduate

Samantha Tomko - Ranked # 1 in her class with a 4.00 GPA. She received a partial scholarship and is currently attending U of A. She is a Culinary Arts Concentrator and Completer.

Santa Cruz Valley HS 2008 CTE Graduate

Gabriela Mena - Ranked # 1 in her class with a 4.00 GPA. She is a Culinary Arts Concentrator.

Arizona CTE Concentrator Breakdown by Year¹

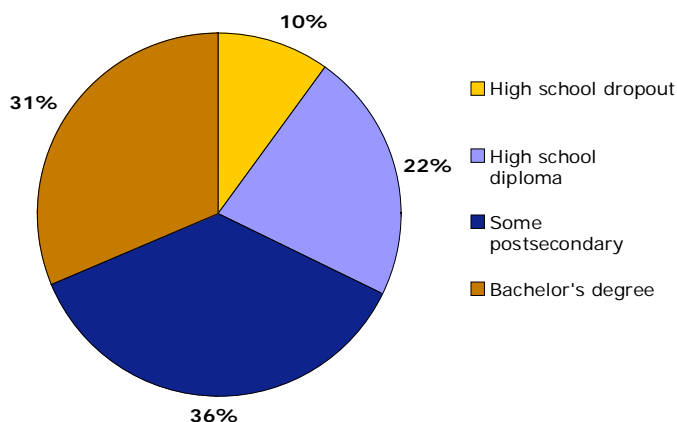
2003: 15918
2004: 17365
2005: 18568
2006: 19506

3-Year Increase in Concentrators
22.5%

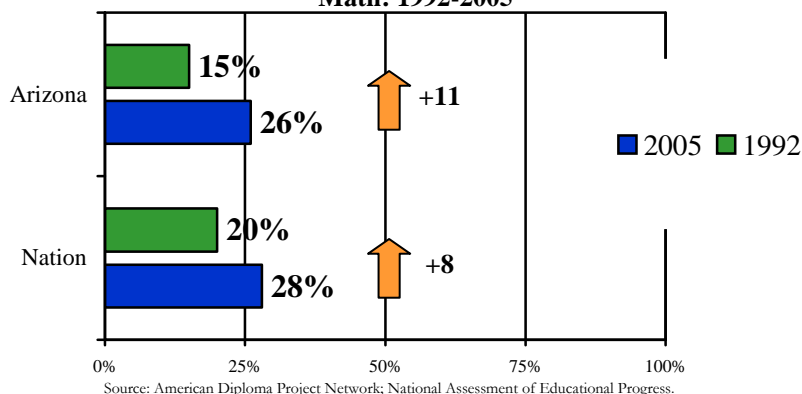
To Quote: "We cannot hold a torch to light another's path without brightening our own."
- Ben Sweetland

Two-Thirds of New Jobs Require at Least Some Postsecondary Education²

Share of new jobs, 2000-2010



-Arizona's Improvement Better than Nation- These are Future CTE Students.... 8th Graders Scoring At or Above Proficient in NAEP Math: 1992-2005



EVIT Student Crowned "Best Teen Chef"

Ty Leon, a Culinary Arts Concentrator from the East Valley Institute of Technology, just received a scholarship to the Art Institute of Phoenix and will be competing at the National Best Teen Chef Competition May 5.

Created by Steve Peterson, M.Ed., Career and Technical Education, Steven.Peterson@azed.gov. 602-542-5357.

The United States has a 95% literacy rate, but only a 34% proficiency rate....meaning adults and children can't read well enough to excel at their jobs or their school work.³

Career and Tech Educational graduates find employment 2.2 times faster than graduates from general education programs.⁴

A combination of 60% academic courses and 40% career and technical education is the most effective dropout prevention program in the American High School.⁵

The nation's functional illiteracy rate is 21%. As an example of the heavy cost of illiteracy, the District of Columbia lost \$107 million annually in taxes between 2000 and 2005 due to a lack of qualified job applicants.⁶

Sophomore technical education students from Warren County, NJ do free computer work for other county schools and get real-life work experience. "They get to practice out of the classroom what they have learned. For some of them it has helped them make career choices and formulate their own career paths," John Metroke, Instructor.⁷

Number of active Certified Nursing Assistants recorded by the Arizona State Board of Nursing: 20,980. Registered Nurses: 63,346.⁸

Even blue-collar jobs require high-level skills! These are some of the recommended high school courses for the following positions:⁹

Iron Workers – Algebra, Geometry and Physics

Electricians – Algebra, Geometry, Trigonometry, Physics

Sheet Metal Workers – Algebra, Geometry, Trigonometry, Technical Reading

Draftsmen – Geometry, Trigonometry, Computer Aided Design

Chandler High School is under consideration for its second A+ Award of Excellence. The judges "seemed particularly impressed with the school's new career and technical education center," reports The Arizona Republic in its March 30, 2007 edition.

"The U.S. cannot maintain its economic leadership unless our work force consists of people who have the knowledge and skills needed to drive innovation...(and) we simply cannot sustain an economy based on innovations unless our citizens are educated in math, science and engineering." – Bill Gates, March 2007.

¹Arizona Career and Technical Education 2003, 2004, 2005, 2006 State Data Snapshot of 3/14/07.

²Carnevale, Anthony P. and Donna M. Desrochers, *Standards for What? The Economic Roots of K-16 Reform*, Educational Testing Service, 2003.

³Jon Bower, President and CEO, Soliloquy Learning, eSchool News, March 2007.

⁴Utah State Office of Education, Career and Technical Education, <http://www.schools.utah.gov/ate/newate.htm>.

⁵Plank, NORIE, 2002.

⁶District of Columbia Chamber of Commerce, State Education Agency (created by the U.S. Dept. of Education), Copyright 2007 The Associated Press.

⁷Sara K. Satullo, *The Express Times*, March 18, 2007.

⁸Arizona State Board of Nursing, Daily Nursing Statistics for 3/22/07.

⁹American Diploma Project, 2002, The Associated General Contractors of America (AGC).